

February 17, 1949.

Dr. M. Demerec,
Dept. Genetics,
Carnegie Institute,
Cold Spring Harbor, L.I., N.Y.

Dear Dr. Demerec,

I am very pleased to hear of your interest in using recombination in K-12 for your mutation studies. Mrs. Witkin may already have received some of these cultures, but I am sending 58-161, Y-64, and W-595. These cultures have been described in my Genetics 1947 paper, but W-595 is a multiple fermentation mutant stock, T-L-B₁-V₁^F and also carrying distinct markers for lactose, maltose, galactose, xylose, arabinose and mannitol fermentation. This stock may be useful for linkage studies.

If you find some interesting streptomycin resistant, I would like to test them for dominance in some peculiar diploid heterozygotes that we can now produce in certain stocks. As one might have expected, phage-resistance (to T1) is recessive to sensitivity. This finding helps to affirm the role of segregation in determining, at least in part, the "delayed effect".

Yours sincerely,

Joshua Lederberg,
Assistant Professor of Genetics.